FI - B29C45/14; PN - JP11162633 A B32B25/08; B32B7/02&103; 19990618 G09F13/22&G H05B33/02; PNFP - JP3325216B2 B2 H05B33/12&Z H05B33/14&Z 20020917 H05B33/22&Z AP - JP19970343944 FT - 3K007/AB15; 19971128 3K007/BB00; 3K007/BB05; PA - (A) NISSHA 3K007/DA04; 3K007/DA05; IN - (A) KISHI KEIJI; 3K007/DA04; 3K007/DA05; MORI FUJIO 3K007/DC01; 3K007/DC02; PR - JP19970343944 3K007/E001; 3K007/DC02; PR - JP19970343944 3K007/EA04; 3K007/EB04; 19971128 3K007/FA00; 3K007/FA01; TI - (A) 4F100/AA07; 4F100/AA11H; ELECTROLUMINESCENT INSERT 4F100/AA18H; 4F100/AA19H; MOLDING, ITS MANUFACTURE 4F100/AK01A; 4F100/AK01D; INSERT FILM 4F100/AK01A; 4F100/AK01D; INSERT FILM 4F100/AK01A; 4F100/AK01D; RSERT FILM 4F100/AK01A; 4F100/AK07; AB - (A) PROBLEM TO BE 4F100/AK12; 4F100/AK25G; electroluminescent part finely run 4F100/AK15G; 4F100/AK25G; alongside a curved part of a resin 4F100/AK15G; 4F100/AK25G; alongside a curved part of a resin 4F100/AK41G; 4F100/AK25G; alongside a curved part of a resin 4F100/AK41G; 4F100/AK25G; alongside a curved part of a resin 4F100/AK25A; 4F100/AK25G; alongside a curved part of a resin 4F100/AK15G; 4F100/AK25G; alongside a curved part of a resin 4F100/AK615; 4F100/AK25G; alongside a curved part of a resin 4F100/AK615; 4F100/AK25G; alongside a curved part of a resin 4F100/AK615; 4F100/AK25G; alongside a curved part of a resin 4F100/AK615; 4F100/AK65; 4F100/AK69; alongside a curved part of a resin 4F100/AK615; 4F100/AK656; 4F100/AK656; 4F100/AK6516; alongside a curved part of a resin 4F100/AK615; 4F100/AK656; 4F100/AK69; alongside a curved part of a resin 4F100/AK615; 4F100/AK69; alongside a curved part of a resin 4F100/AK615; 4F100/AK69; alongside a curved part of a resin 4F100/AK615; 4F100/AK69; alongside a curved part of a resin 4F100/AK63; 4F100/AK69; alongside a curved part of a resin 4F100/AK63; 4F100/AK69; alongside a curved part of a resin 4F100/AK63; 4F100/AK69; alongside a curved part of a resin 4F100/AK63; 4F100/AK69; alongside a curved part of a resin 4F100/AK69; alongside a curved part of a resin
19990618 PNFP - JP3325216B2 B2 20020917 AP - JP19970343944 FT - 3K007/AB15; 19971128 PRINTING PRINTING SOLVED: To make an electroluminescent part finely run along and also prevent attenuation of electroluminescent brightness and damaging and peeling the G09F13/22&G H05B33/02; H05B33/12&Z H05B33/14&Z H05B33/12&Z H05B33/14&Z H05B33/12&Z H05B33/14&Z H05B33/12&Z H05B33/14&Z H05B33/12&Z H05B33/12&Z H05B33/12&Z H05B33/14&Z H05B33/12&Z H05B3/12&Z H05B33/12&Z H05B33/12&Z H05B33/12&Z H05B33/12&Z H05B3/12&Z H00/AK42; H00/AK42; H00/AK41, H10/AK41, H10/AK41, H10/AK41, H10/AK41, H10/AK41, H10/AK41, H10/AK41, H10/
PNFP - JP3325216B2 B2 20020917 AP - JP19970343944 FT - 3K007/AB15; 19971128
20020917 AP - JP19970343944 FT - 3K007/AB15; 19971128 PA - (A) NISSHA 3K007/CA06; 3K007/CB01; PRINTING 3K007/DA04; 3K007/DA05; IN - (A) KISHI KEIJI; MORI FUJIO PR - JP19970343944 19971128 TI - (A) ELECTROLUMINESCENT INSERT MOLDING, ITS MANUFACTURE AND ELECTROLUMINESCENT AND ELECTROLUMINESCENT NSERT FILM AB - (A) PROBLEM TO BE SOLVED: To make an electroluminescent part finely run along and also prevent attenuation of electroluminescent brightness and damaging and peeling the H05B33/22&Z FT - 3K007/AB15; TT - 3K007/BB00; 3K007/CB01; 3K007/DA04; 3K007/DA05; 3K007/DA04; 3K007/DE02; 3K007/DA04; 3K007/DE02; 3K007/DA04; 3K007/DE02; 4F100/AA07; 4F100/AA11H; 4F100/AA18H; 4F100/AA11H; 4F100/AK01A; 4F100/AK01D; 4F100/AK15G; 4F100/AK22G; 4F100/AK25A; 4F100/AK25G; 4F100/AK41G; 4F100/AK42; 4F100/AK51; 4F100/AK51G; 4F100/AK51; 4F100/AK51G; 4F100/AK68; 4F100/AK69;
AP - JP19970343944 FT - 3K007/AB15; 19971128 3K007/BB00; 3K007/BB05; PA - (A) NISSHA 3K007/CA06; 3K007/CB01; PRINTING 3K007/DA04; 3K007/DA05; IN - (A) KISHI KELJI; 3K007/DB01; 3K007/DB02; MORI FUJIO 3K007/DC01; 3K007/DC02; PR - JP19970343944 3K007/EA04; 3K007/EB04; 19971128 3K007/FA00; 3K007/FA01; TI - (A) 4F100/AA07H; 4F100/AA11H; ELECTROLUMINESCENT INSERT 4F100/AA18H; 4F100/AA19H; MOLDING, ITS MANUFACTURE 4F100/AK01A; 4F100/AK01D; INSERT FILM 4F100/AK01A; 4F100/AK01D; INSERT FILM 4F100/AK01A; 4F100/AK01D; SOLVED: To make an 4F100/AK15G; 4F100/AK15; SOLVED: To make an 4F100/AK15G; 4F100/AK22G; electroluminescent part finely run 4F100/AK25A; 4F100/AK25G; alongside a curved part of a resin 4F100/AK41G; 4F100/AK42; molding and also prevent attenuation 4F100/AK45; 4F100/AK48; of electroluminescent brightness and 4F100/AK51; 4F100/AK51G; damaging and peeling the 4F100/AK68; 4F100/AK69;
19971128 PA - (A) NISSHA RRINTING RRINTING (A) KISHI KEIJI; MORI FUJIO PR - JP19970343944 19971128 TI - (A) ELECTROLUMINESCENT INSERT MOLDING, ITS MANUFACTURE AND ELECTROLUMINESCENT INSERT FILM AB - (A) PROBLEM TO BE SOLVED: To make an electroluminescent part finely run alongside a curved part of a resin molding and also prevent attenuation of electroluminescent brightness and damaging and peeling the 3K007/BB00; 3K007/BB05; 3K007/DA04; 3K007/DB02; 3K007/DC01; 3K007/DC02; 3K007/DC01; 3K007/DE04; 3K007/DA04; 3K007/DA05; 3K007/DA04; 3K007/DA04; 4F100/AA01; 3K007/DA04; 4F100/AA01; 3K007/DA04; 4F100/AA04; 4F100/AA11H; 4F100/AA18H; 4F100/AK01D; 4F100/AK04; 4F100/AK01D; 4F100/AK12; 4F100/AK25G; 4F100/AK25A; 4F100/AK25G; 4F100/AK45; 4F100/AK45; 4F100/AK45; 4F100/AK45; 4F100/AK51; 4F100/AK51G; 4F100/AK68; 4F100/AK69;
PA - (A) NISSHA 3K007/CA06; 3K007/CB01; PRINTING 3K007/DA04; 3K007/DA05; IN - (A) KISHI KEIJI; 3K007/DB01; 3K007/DB02; MORI FUJIO 3K007/DC01; 3K007/DC02; PR - JP19970343944 3K007/EA04; 3K007/EB04; 19971128 3K007/FA00; 3K007/FA01; TI - (A) 4F100/AA07H; 4F100/AA11H; ELECTROLUMINESCENT INSERT 4F100/AA18H; 4F100/AA19H; MOLDING, ITS MANUFACTURE 4F100/AA33; 4F100/AK01D; INSERT FILM 4F100/AK01A; 4F100/AK01D; INSERT FILM 4F100/AK04; 4F100/AK01D; SOLVED: To make an 4F100/AK12; 4F100/AK22G; electroluminescent part finely run 4F100/AK15G; 4F100/AK25G; alongside a curved part of a resin 4F100/AK41G; 4F100/AK42; molding and also prevent attenuation of electroluminescent brightness and 4F100/AK51; 4F100/AK51G; damaging and peeling the 4F100/AK68; 4F100/AK69;
PRINTING (A) KISHI KELJI; MORI FUJIO PR - JP19970343944 19971128 TI - (A) ELECTROLUMINESCENT INSERT MOLDING, ITS MANUFACTURE AND ELECTROLUMINESCENT INSERT FILM AB - (A) PROBLEM TO BE SOLVED: To make an electroluminescent part finely run alongside a curved part of a resin molding and also prevent attenuation of electroluminescent brightness and damaging and peeling the 3K007/DA01; 3K007/DB02; 3K007/DA04; 3K007/DB02; 3K007/DA04; 3K007/DB02; 3K007/DA04; 3K007/DB02; 3K007/DA04; 3K007/DB02; 3K007/DB01; 3K007/DB02; 3K007/EB04; 3K007/EB04; 4F100/AA07H; 4F100/AA19H; 4F100/AK01A; 4F100/AK01D; 4F100/AK01A; 4F100/AK01D; 4F100/AK15G; 4F100/AK42; 4F100/AK45; 4F100/AK48; 4F100/AK45; 4F100/AK51G; 4F100/AK51; 4F100/AK51G; 4F100/AK68; 4F100/AK69;
IN - (A) KISHI KELJI; 3K007/DB01; 3K007/DB02; MORI FUJIO 3K007/DC01; 3K007/DC02; PR - JP19970343944 3K007/EA04; 3K007/EB04; 19971128 3K007/FA00; 3K007/FA01; TI - (A) 4F100/AA07H; 4F100/AA11H; ELECTROLUMINESCENT INSERT 4F100/AA18H; 4F100/AA19H; MOLDING, ITS MANUFACTURE 4F100/AA33; 4F100/AK01D; INSERT FILM 4F100/AK01A; 4F100/AK01D; INSERT FILM 4F100/AK04; 4F100/AK07; AB - (A) PROBLEM TO BE 5OLVED: To make an 4F100/AK15G; 4F100/AK22G; electroluminescent part finely run 4F100/AK15G; 4F100/AK25G; alongside a curved part of a resin 4F100/AK41G; 4F100/AK42; molding and also prevent attenuation of electroluminescent brightness and 4F100/AK51; 4F100/AK51G; damaging and peeling the 4F100/AK68; 4F100/AK69;
MORI FUJIO PR - JP19970343944 3K007/DC01; 3K007/DC02; 3K007/EA04; 3K007/EB04; 3K007/FA00; 3K007/FA01; TI - (A) ELECTROLUMINESCENT INSERT MOLDING, ITS MANUFACTURE AND ELECTROLUMINESCENT INSERT FILM AB - (A) PROBLEM TO BE SOLVED: To make an electroluminescent part finely run alongside a curved part of a resin molding and also prevent attenuation of electroluminescent brightness and damaging and peeling the 3K007/DC01; 3K007/DC02; 3K007/DC01; 3K007/DC02; 3K007/EA04; 3K007/DC02; 3K007/EA04; 3K007/DC02; 3K007/EA04; 3K007/DC02; 3K007/EA04; 3K007/DC02; 3K007/EA04; 3K007/DC02; 4F100/AA07H; 4F100/AA11H; 4F100/AA18H; 4F100/AK01D; 4F100/AK01A; 4F100/AK01D; 4F100/AK12; 4F100/AK15; 4F100/AK41G; 4F100/AK42; 4F100/AK45; 4F100/AK48; 4F100/AK51; 4F100/AK51G; 4F100/AK68; 4F100/AK69;
PR - JP19970343944 3K007/EA04; 3K007/EB04; 19971128 3K007/FA00; 3K007/FA01; TI - (A) 4F100/AA07H; 4F100/AA11H; ELECTROLUMINESCENT INSERT 4F100/AA18H; 4F100/AA19H; MOLDING, ITS MANUFACTURE 4F100/AK33; 4F100/AK01D; INSERT FILM 4F100/AK01A; 4F100/AK01D; INSERT FILM 4F100/AK04; 4F100/AK07; AB - (A) PROBLEM TO BE 4F100/AK12; 4F100/AK15; SOLVED: To make an 4F100/AK15G; 4F100/AK22G; electroluminescent part finely run 4F100/AK25A; 4F100/AK25G; alongside a curved part of a resin 4F100/AK41G; 4F100/AK42; molding and also prevent attenuation of electroluminescent brightness and 4F100/AK51; 4F100/AK51G; damaging and peeling the 4F100/AK68; 4F100/AK69;
19971128 TI - (A) ELECTROLUMINESCENT INSERT MOLDING, ITS MANUFACTURE AND ELECTROLUMINESCENT INSERT FILM AB - (A) PROBLEM TO BE SOLVED: To make an electroluminescent part finely run alongside a curved part of a resin molding and also prevent attenuation of electroluminescent brightness and damaging and peeling the 3K007/FA00; 3K007/FA01; 4F100/AA07H; 4F100/AA11H; 4F100/AA18H; 4F100/AA19H; 4F100/AK33; 4F100/AK01D; 4F100/AK01A; 4F100/AK01D; 4F100/AK01A; 4F100/AK01D; 4F100/AK15G; 4F100/AK15; 4F100/AK25G; 4F100/AK41G; 4F100/AK42; 4F100/AK51G; 4F100/AK51G; 4F100/AK51; 4F100/AK51G; 4F100/AK68; 4F100/AK69;
TI - (A) 4F100/AA07H; 4F100/AA11H; ELECTROLUMINESCENT INSERT 4F100/AA18H; 4F100/AA19H; MOLDING, ITS MANUFACTURE 4F100/AK33; 4F100/AK01D; INSERT FILM 4F100/AK01A; 4F100/AK01D; INSERT FILM 4F100/AK04; 4F100/AK07; AB - (A) PROBLEM TO BE 4F100/AK12; 4F100/AK15; SOLVED: To make an 4F100/AK15G; 4F100/AK22G; electroluminescent part finely run 4F100/AK25A; 4F100/AK25G; alongside a curved part of a resin 4F100/AK41G; 4F100/AK42; molding and also prevent attenuation of electroluminescent brightness and damaging and peeling the 4F100/AK68; 4F100/AK69;
ELECTROLUMINESCENT INSERT MOLDING, ITS MANUFACTURE AND ELECTROLUMINESCENT INSERT FILM AB - (A) PROBLEM TO BE SOLVED: To make an electroluminescent part finely run alongside a curved part of a resin molding and also prevent attenuation of electroluminescent brightness and damaging and peeling the 4F100/AA18H; 4F100/AA19H; 4F100/AK01A; 4F100/AK01D; 4F100/AK01A; 4
MOLDING, ITS MANUFACTURE AND ELECTROLUMINESCENT INSERT FILM AB - (A) PROBLEM TO BE SOLVED: To make an electroluminescent part finely run alongside a curved part of a resin molding and also prevent attenuation of electroluminescent brightness and damaging and peeling the 4F100/AK33; 4F100/AK01D; 4F100/AK01A; 4F100/AK07; 4F100/AK12; 4F100/AK15; 4F100/AK25G; 4F100/AK25G; 4F100/AK41G; 4F100/AK42; 4F100/AK45; 4F100/AK48; 4F100/AK51; 4F100/AK51G; 4F100/AK51; 4F100/AK51G;
AND ELECTROLUMINESCENT INSERT FILM AB - (A) PROBLEM TO BE SOLVED: To make an electroluminescent part finely run alongside a curved part of a resin molding and also prevent attenuation of electroluminescent brightness and damaging and peeling the 4F100/AK01A; 4F100/AK07; 4F100/AK12; 4F100/AK15; 4F100/AK15G; 4F100/AK22G; 4F100/AK41G; 4F100/AK42; 4F100/AK41G; 4F100/AK48; 4F100/AK51; 4F100/AK51G; 4F100/AK69;
AND ELECTROLUMINESCENT INSERT FILM 4F100/AK01A; 4F100/AK01D; AB - (A) PROBLEM TO BE SOLVED: To make an electroluminescent part finely run alongside a curved part of a resin molding and also prevent attenuation of electroluminescent brightness and damaging and peeling the 4F100/AK01A; 4F100/AK07; 4F100/AK15; 4F100/AK15; 4F100/AK22G; 4F100/AK25A; 4F100/AK25G; 4F100/AK41G; 4F100/AK48; 4F100/AK51; 4F100/AK51G; 4F100/AK69;
AB - (A) PROBLEM TO BE SOLVED: To make an electroluminescent part finely run alongside a curved part of a resin molding and also prevent attenuation of electroluminescent brightness and damaging and peeling the 4F100/AK15G; 4F100/AK25G; 4F100/AK41G; 4F100/AK42; 4F100/AK45; 4F100/AK48; 4F100/AK51G; 4F100/AK68; 4F100/AK69;
AB - (A) PROBLEM TO BE SOLVED: To make an electroluminescent part finely run alongside a curved part of a resin molding and also prevent attenuation of electroluminescent brightness and damaging and peeling the 4F100/AK12; 4F100/AK22G; 4F100/AK25G; 4F100/AK41G; 4F100/AK42; 4F100/AK45; 4F100/AK48; 4F100/AK51G; 4F100/AK68; 4F100/AK69;
SOLVED: To make an electroluminescent part finely run alongside a curved part of a resin molding and also prevent attenuation of electroluminescent brightness and damaging and peeling the 4F100/AK15G; 4F100/AK25G; 4F100/AK41G; 4F100/AK42; 4F100/AK45; 4F100/AK48; 4F100/AK51; 4F100/AK51G; 4F100/AK68; 4F100/AK69;
alongside a curved part of a resin alongside a curved part of a resin 4F100/AK41G; 4F100/AK42; 4F100/AK45; 4F100/AK48; of electroluminescent brightness and 4F100/AK51; 4F100/AK51G; damaging and peeling the 4F100/AK68; 4F100/AK69;
alongside a curved part of a resin molding and also prevent attenuation of electroluminescent brightness and damaging and peeling the 4F100/AK41G; 4F100/AK48; 4F100/AK45; 4F100/AK51G; 4F100/AK51; 4F100/AK51G; 4F100/AK68; 4F100/AK69;
molding and also prevent attenuation of electroluminescent brightness and damaging and peeling the 4F100/AK45; 4F100/AK51G; 4F100/AK68; 4F100/AK69;
of electroluminescent brightness and 4F100/AK51; 4F100/AK51G; damaging and peeling the 4F100/AK68; 4F100/AK69;
electroluminescent film. SOLUTION: 4F100/AK74; 4F100/AL09B;
After an electroluminescent part the 4F100/AL09G; 4F100/AR00C;
electroluminescent insert film 5 with 4F100/BA02; 4F100/BA03;
an electroluminescent layer 2 4F100/BA05; 4F100/BA07;
containing elastomer resin laminated at 4F100/BA10B; 4F100/BA10C;
least on one surface of light 4F100/BA44B; 4F100/CA13;
transmitting film on which three 4F100/CB00; 4F100/DD01;
dimensional drawing can be applied in 4F100/EH362; 4F100/EH661;
an area of a temperature range of 0 4F100/EJ201; 4F100/EJ241;
deg.C-250 deg.C is molded to a three 4F100/EJ391; 4F100/EJ952;
dimensional shape, it is fitted in a 4F100/GB31; 4F100/GB33;
cavity forming surface 19 of a movable 4F100/GB48; 4F100/HB00C;
die 18, molding resin is injected in the 4F100/HB01; 4F100/JG01B;
cavity by closing the movable die 18 4F100/JG04B; 4F100/JK06;
and a fixed die 17 and at the same time 4F100/JK14; 4F100/JL00;
of molding an injection molding, the 4F100/JL01A; 4F100/JN01A;
electroluminescent insert film 5 and 4F100/JN01B; 4F100/JN13B;
the injection molding are integrally 4F100/JN13H; 4F100/JN30;
molded. 4F206/AA10; 4F206/AA11;
IC - (A) H05B33/02; 4F206/AA13; 4F206/AA24;
B29C45/14; B32B7/02; B32B25/08; 4F206/AA28; 4F206/AA29;
H05B33/14; H05B33/22 4F206/AB25; 4F206/AD05;
- (B2) H05B33/02; B29C45/14; 4F206/AD09; 4F206/AD20;
G09F13/22; H05B33/14; H05B33/22 4F206/AF03; 4F206/AF08;

4F206/AG03; 4F206/AG05; 4F206/AH25; 4F206/AH33; 4F206/AH73; 4F206/JA07; 4F206/JB13; 4F206/JB19; 4F206/JF05; 5C096/AA29; 5C096/BA01; 5C096/CC07; 5C096/EA03; 5C096/EA04; 5C096/EB08; 5C096/FA11; 5C096/FA12; 5C096/FA14; 5C096/FA17 © WPI / DERWENT

AN - 1999-410101 [35]
TI - Electroluminescence
light emitting film for display panels has electroluminescence light emitting
layer with elastomeric resin formed in
one side of transparent film
AB - JP11162633
NOVELTY - A transparent film has

NOVELTY - A transparent film has electroluminescence (EL) light emitting layer (2) having and elastomer in one side. The transparent film laminate formed at 0-250 deg. C spins the light three dimensionally.

- DETAILED DESCRIPTION -The EL light emitting inert film is an acryl film in which an image layer is formed on back side of EL light emitting layer. The light emitting layer consists of a laminate of transparent electrode, a fluorescent layer, insulating layer and a back plate. Each layer of the laminate contains an elastomer resin. The fluorescent layer is laminated partially in the light emitting layer. The back of a back plate is provided with a back film. The film in which at least one layer formed three dimensionally is inserted in a mold cavity for injection molding.
- An INDEPENDENT CLAIM is also included for injection molding of EL light emitting film inserted products, that involves injecting a resin into a closed mold containing the insert film.
- USE For display panels used in motor vehicle internal equipment

components, house hold electric appliances etc.

- ADVANTAGE An EL light emitting film suitable for injection molded curved products is easily obtained. The crack generated during changing the film forcibly is prevented. The adhesion of the light emission insert film is carried out firmly. Hence the separation of insert film due to wear is prevented.
- DESCRIPTION OF DRAWING - The figure shows the sectional drawing showing the EL light emission insert film for mouldings. (2) EL light emission layer.
- (Dwg.1/10) PN - JP3325216B2 B2 20020917 DW200268 H05B33/02 008pp
- JP11162633 A 19990618 DW199935 H05B33/02 008pp AP - JP19970343944 19971128; [Previous Publ. JP11162633]

PA - (NSHA) NIPPON SHASHIN INSATSU KK

CPY - NSHA

PR - JP19970343944

19971128

OPD - 1997-11-28 ORD - 1999-06-18

IW

ELECTROLUMINESCENT LIGHT EMIT FILM DISPLAY PANEL ELECTROLUMINESCENT LIGHT EMIT LAYER ELASTOMER RESIN FORMING ONE SIDE TRANSPARENT FILM

IC - B29C45/14;B32B7/02;B32B25/08;G09F13/22;H05B33/02;H05B33/14;H05B33/22

MC - A04-F01A A11-B12A A12-E11 L03-C04

- U14-J X26-J

DC - A32 A85 L03 P73 P85 U14 X22 X26